BIOLOGY

YEAR 13

AUTUMN 1

				CAREERS LINKS	
Topic 5 Energy for Biolog processes. Respiration and photosynth		licrobiology and pathogens.	Prior Learning Respiration and photosynthesis Key stage 3 and key stage 4 (Topic 4). Response to infection (Topic 3) and key stage 4.	Virologist, cardiologist. Agriculturist. Agro-botanist. Immunologist, geneticist, dietician. Medicine, vet, dentistry,	
AUTUMN 2				geneticist, physiologist.	
Topic 7 Modern Geneti Inheritance, genetic disore		pic 9 Control systems. omeostasis, chemical control in plants, kidney.	Prior Learning GCSE content- Heart (Topic 2), Homeostasis, (Topic 3) Plants (Topic 7). Inheritance (Topic 6)	 Microbiology, pharmacology, statistical biologist. 	
				CHARACTER LINKS	
SPRING 1				-Resilience, pupils are encouraged to work on their	
Topic 8 Origins of genet In vitro technologies, in v technologies, stem cells, epig	vivo Heart, h	pic 9 Control systems. omeostasis, chemical control in plants, kidney.	Prior Learning Classification hierarchy, definition of a species (Unit 6 Science-Biology).	 independence and work out problems, learning from mistake (performance virtues). -Empathy and compassion- pupils will come across many difficult situations such as 	
SPRING 2				genetic defects and ethical issues	
Topic 10 Ecosystems. Sampling, evolution, biodiv	ersity. Statistic	Maths in Biology al tests, Chi squared, Hardy-	Prior Learning Process of evolution by natural selection (Unit 6 Science-Biology).	of genetic screening or use of stem cells (moral virtues).	
	Weinber	g, standard deviation, critical value.	Definition of biodiversity and awareness of processes that affect it (Unit 7 Science-Biology).	KEY ASSESSMENT DATES	
SUMMER 1				Pupils complete assessments in line with the KS5 assessment	
Topic 5 and topic 6 revision.	Topic 7 and 8 revision.	Topic 9 and 10 revision.	Prior Learning GCSE content- Heart (Topic 2), Homeostasis, (Topic 3) Plants (Topic 7) Inheritance (Topic 6) Respiration and photosynthesis Key stage 3 and key stage 4 (Topic 4). Response to infection (Topic 3) and key stage 4.	calendar. There are also extra end of topic assessments. During year 13 multiple mock assessments in year 13 are sat with the standard year 13 mock fortnight.	

CAREERS LINKS

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